



AlphaGary Ltd
Evoprene G

Ref: 087

Issue: 0712

Page: 1 of 2

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TECHNICAL DATASHEET
EVOPRENE 087

Description : BS 7412 approved Styrenic TPE-S glazing gasket compound.

Test	Units	Test Temperature	Specification	Results
Hardness Shore A	Deg	23 °C	ISO 868	61
Specific Gravity	G/cm ³	23 °C	ISO 2781	1.10
Flow Rating	Kg/cm ²	180 °C	AG Internal Test	22
Tensile Strength	MPa	23 °C	ISO 37	5.8
Elongation @ Break	%	23 °C	ISO 37	620
Modulus @	100 %	23 °C	ISO 37	2.3
	300 %	23 °C	ISO 37	3.2
Tear Strength	KN/m	23 °C	ISO 6383	30
Compression Set				
72 Hrs	%	23 °C	ISO 815	21
22 Hrs	%	70 °C	ISO 815	73
22 Hrs	%	100 °C	ISO 815	89
Abrasion resistance	mm ³ loss	23 °C	DIN 53516	256
Deflection Recovery Tests				
24 hrs	%	-10 °C	BS 7412 - AppA 5mins	75
			BS 7412 - AppA 60mins	92
24 hrs		23 °C	BS 7412 - AppA 5mins	70
			BS 7412 - AppA 60mins	78
14 days		55 °C	BS 7412 - AppA 60mins	29
UV Resistance 2250 hrs Xenon Arc			BS 7412 - AppD	Good

The company will be glad to supply on request individual advice in writing in connection with the use and application of their products in all appropriate cases, and customers are urged to make use of the Company's service in this respect. This leaflet is provided for general guidance only and may contain information, which could be inappropriate under particular conditions of application or use. All recommendations and suggestions are therefore made without guarantee. All recommendations and suggestions issued by or on behalf of the Company, in whatever form, are subject to the Company's terms and conditions of sale, a copy of which is available on request. Each customer or user must conduct its own studies to check for suitability for the intended end use. The Company is not liable for any loss or damage arising in whole or in part from or in connection with the customers' failure to carry out such testing



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EVOPRENE 087

Test	Units	Test Temperature	Specification	Results
Air Aged 10 Days @ 70 °C				
Hardness Change	Deg		ISO 188	-1
Retained T/S	%		ISO 188	104
Retained E/B	%		ISO 188	104
Low Temperature Change			BS 5249	
7 days @ - 10 °C (Hardness change)	Deg			+1
Cold Bend		-30 °C	2782 - 151 A	Pass
Migration				-0.1
Staining				None
Ozone Resistance 20 % 40 °C 96 hrs @ 100 pphm				No cracks
Heat reversion shrinkage in length	%			0.5

Note : All tests are carried out on AG Injection mouldings.

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AlphaGary

Market Leadership in Specialty Compounds

BELER WAY, LEICESTER ROAD INDUS EST, MELTON MOWBRAY, LEICS LE13 ODG
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B W ALUMINIUM PLASTICS
UNIT B3
ARC PROGRESS
BECKERINGS PARK
LIDLINGTON
BEDFORDSHIRE
MK43 0RD



DATE: 3 FEBRUARY 2009

FOR THE ATTENTION OF THE QUALITY MANAGER

Re: CERTIFICATE OF ANALYSIS

This is to certify that the material below conforms to the formulation and QC test requirements applicable to:

Your order no.....	1107
Our advice note number.....	160066
Material part number.....	TWE000874286A
Product description.....	EVOPRENE GC 087 BLACK 4286
Quantity.....	2,000 KLS
Batch reference.....	8H20

TEST METHODS UNITS LIMITS	MSF EPST 01 Kgs/cm ² 17 - 29	HA* EPST 08 Shore ^D A 57 - 65	SG* EPST 19 gms/cm ³ 1.09 - 1.13	COMP/SET EPST 21 % N/A
Mean	25	65	1.13	
S.D.	2	1	0.00	
Count	15	6	6.00	
Min	23	64	1.13	
Max	29	65	1.13	
Range	6	1	0.00	

*Internal AlphaGary Ltd Standard Tests based on respective ISO standards

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Quality Assurance Department

AlphaGary

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Re: CERTIFICATE OF ANALYSIS

This is to certify that the material below conforms to the formulation and QC test requirements applicable to:

Your order no..... 1107

Our advice note number..... 160066

Material part number..... TWE000874286A

Product description..... EVOPRENE GC 087 BLACK 4286

Quantity..... 1,000 KLS

Batch reference..... 8K23

TEST METHODS	MSF EPST 01	HA* EPST 08	SG* EPST 19	COMP/SET EPST 21
UNITS	Kgs/cm ²	Shore ⁰ A	gms/cm ³	%
LIMITS	17 - 29	57 - 65	1.09 - 1.13	N/A
Mean	26	64	1.12	
S.D.	1	1	0.00	
Count	10	4	4.00	
Min	24	63	1.12	
Max	27	65	1.13	
Range	3	2	0.01	

*Internal AlphaGary Ltd Standard Tests based on respective ISO standards

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